



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/973,411	10/09/2001	William Scott Caldwell	T103 1300.4	7174

7590 01/08/2003

Carl B. Massey, Jr.
Womble Carlyle Sandridge & Rice, PLLC
Post Office Box 7037
Atlanta, GA 30357-0037

EXAMINER

BALASUBRAMANIAN, VENKATARAMAN

ART UNIT	PAPER NUMBER
----------	--------------

1624

DATE MAILED: 01/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.

09/973,411

Applicant(s)

CALDWELL ET AL.

Examiner

Venkataram Balasubramanian

Art Unit

1624

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED on 12/11/2002 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
- b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
- ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ they raise the issue of new matter (see Note below);
- (c) ☒ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____.

3. ☐ Applicant's reply has overcome the following rejection(s): _____.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request for reconsideration has been considered but does NOT place the application in condition for allowance because: _____.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: _____.

Claim(s) withdrawn from consideration: _____.

8. ☐ The proposed drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
10. ☒ Other: See attached

ADVISORY ACTION

The response filed 12/11/2002 under 37 CFR 1.116 in reply to the final rejection has been considered but is not deemed to place the application in condition for allowance for the following reasons.

Claim Rejections - 35 USC § 103

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Dull et al. US 5,597,919 for reasons of record.

Applicants' argument to overcome this rejection is not persuasive.

First of all, Applicants' have not asserted that pyrimidinyl core is equivalent to the pyridinyl core. Applicants' seem to urge that examiner should accept the declaration based on testing of pyridinyl compounds as applicable to unexpected/superior properties for pyrimidinyl compound.

In which case examine can apply prior art, which teaches the pyridinyl compound to reject pyrimidinyl compound in view of the applicants' apparent assertion of equivalency. See Dull et al. US 5,616,716, col. 15, lines 61-67, cited in the Information Disclosure Statement.

Secondly, the declaration as whole does not support unexpected/superior properties as a class. One can see that R α -methyl isomer is as active as the unsubstantiated pyridinyl compound. Applicants have not provide why one trained in the art would not be motivated to make the higher homolog, the α -methyl compound.

In addition there is a cis / trans isomer issue. Prior art teaches cis and trans 3-butene amine and cis and trans 4-pentene-amine as cholinergic agents as seen from

the references cited by the applicants in the Information Disclosure Statement. But there is no such data available for the monoamine oxidase activity related metabolic stability. Since applicants are claiming a subtle change in substituents to influence the activity profile of the compound, it is applicants burden to show that the cis/ trans isomers as class are active in the metabolic stability testing.

Hence this rejection is maintained.

Double Patenting

Claim 12 is rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 8 of U.S. Patent No. 5,597,919. Although the conflicting claims are not identical, they are not patentably distinct from each other because the subject matter embraced in the claim 12 is an obvious variant of the subject matter taught in claim 8 of US 5,597,919 as discussed in the above 103 rejection.

Claim 12 is provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 15-21 of copending Application No. 09/973,419. Although the conflicting claims are not identical, they are not patentably distinct from each other because the species claimed in claim 12 is also generically claimed in the copending application.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Applicants should note that the copending application 09/973,419, which is now allowed, relates to pyrimidinyl compounds.

Claim 12 is provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-19 of copending Application No. 08/631,761. Although the conflicting claims are not identical, they are not patentably distinct from each other because the species claimed in claim 12 is also generically claimed in the copending application.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Hence the double patenting rejections made in the previous office action are maintained.

Conclusion

Any inquiry concerning this communication from the examiner should be addressed to Venkataraman Balasubramanian (Bala) whose telephone number is (703) 305-1674. The examiner can normally be reached on Monday through Thursday from 8.00 AM to 6.00 PM. The Supervisory Patent Examiner (SPE) of the art unit 1624 is Mukund Shah whose telephone number is (703) 308-4716. The fax phone number for the organization where this application or proceeding is assigned (703) 308-4556. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1235.

V. Balasubramanian
Venkataraman Balasubramanian

1/7/2003